

Title (en)
Modulating method

Title (de)
Modulationsverfahren

Title (fr)
Procédé de modulation

Publication
EP 0571905 B1 19980819 (EN)

Application
EP 93108290 A 19930521

Priority
JP 15755892 A 19920525

Abstract (en)
[origin: EP0571905A2] A method of modulating digital data to a variable-length code (d, k; m, n; r) for recording information on and reproducing the same from an optical disc (21). The optimal range of a minimum run length d corresponding to the minimum number of successive same symbols is determined by a procedure which comprises a first step (52, 53) to determine the minimum S/N required for obtaining a desired error rate from the relationship between a bit error rate and the S/N when d = 0; a second step (54) to obtain the relationship between a change of the numerical value d and that of the S/N by calculating, on the basis of the required minimum S/N obtained at the first step (52, 53), the S/N loss caused due to the change of the numerical value d; and a third step (55) to determine, from the relationship between the numerical value d and the S/N, the range of the value d corresponding to the S/N of the transmission characteristic dependent on an optical system and an optical disc (21). <IMAGE>

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IPC 8 full level
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CPC (source: EP KR US)
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Cited by
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